

## ABSTRACT

A method and apparatus are disclosed for improving the disturbance pass through characteristics of a line interactive uninterruptible power supply ("UPS"). One disclosed technique uses a naturally commutated fast utility disconnect switch, wherein the switch is self commutated by the UPS inverter forcing the current through the switch to zero. A second disclosed technique uses a gate commutated fast utility disconnect switch and the associated snubber circuits, wherein the fast utility disconnect is opened quickly upon occurrence of a line fault and the energy generated in interrupting the line current is dissipated by the snubber circuits.

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